Thermochimica Acta, 242 (1994) 271
Elsevier Science B.V., Amsterdam

AUTHOR INDEX

Adamkovičová, K. 23
Afzal, M. 265
Allan, J.R. 207
Alvarez, T. 161
Andrade da Silva, M.A. 253
Augsten, R.A. 187

Baba, Y. 65, 77
Bhengu, T.T. 141
Blanco, S.T. 27
Brown, M.E. 141
Brzyska, W. 131

Chaudhuri, N.R. 195
Chen, Y.-T. 51

Danielik, V. 243
De Andres-Santos, A.I. 153
de Matos, J.E.X. 253

Edwards, J.G. 223

Fellner, P. 23, 243
Fernandez, M.J. 161
Fuertes, A.B. 161

Gabčová, J. 243
Galwey, A.K. 259
Ganguli, S. 195
Ghosh, A. 195
Gu, Z.-X. 51

Halawy, S.A. 173
Hedwig, G.R. 41
Hernández-Velasco, E. 153

Jones, D.E.G. 187

Kagemoto, A. 65, 77
Koleva, V. 233
Kosa, L. 23
Książczak, A. 93
Kunihiro, A. 65

Lin, H.-K. 51

Mahmood, F. 265
Malechaux, L. 187
Maneva, M. 233
Marras, G. 27
Martín-Gil, F.J. 153
Martín-Gil, J. 153
Matos, J.R. 253
Miyamoto, K. 111
Mohamed, M.A. 173

Nagata, I. 93, 103, 111, 117
Nawada, H.P. 239
Nerad, I. 23
Notoh, M. 117

Otín, S. 27

Pariya, C. 195
Patel, M.C. 249
Paton, A.D. 207
Payne, J.R. 1, 7, 13
Prabhakara Rao, M.V. 33
Proks, I. 23

Reading, J.F. 41

Sanyal, D.K. 141
Shoba, U.S. 215
Strečko, J. 23
Sumi, T. 77

Takeuchi, K. 103
Turvey, K. 207

Udupa, M.R. 215

Veeranna, D. 33
Velasco, G. 161
Velasco-Martin, A. 153
Venkataraman, A. 249
Venkatesulu, D. 33

Wołodkiewicz, W. 131

Zinner, L.B. 253

Thermochimica Acta, 242 (1994) 273–279
Elsevier Science B.V., Amsterdam

SUBJECT INDEX

Acetone
Excess molar enthalpies for 1-propanol + acetone and 1-propanol + acetone + benzene mixtures at 298.15 K 103
Activation energy
Analysis of the direct sulfation of calcium carbonate 161
Magnitudes of Arrhenius parameters for decomposition reactions of solids 259
Alkoxyethanol
Excess enthalpies of 2-alkoxyethanols with trichloroethylene and tetrachloroethylene at 298.15 K 33
Anisotropic
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77
ARC
Thermal analysis of GAPTRIOL, an energetic azide polymer 187
Arrhenius
Magnitudes of Arrhenius parameters for decomposition reactions of solids 259
Association
Isothermal vapour–liquid equilibrium for 1-propanol + *tert*-butanol + acetonitrile + benzene 93
Atmosphere
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253
Thermal analysis of GAPTRIOL, an energetic azide polymer 187
Azide
Thermal analysis of GAPTRIOL, an energetic azide polymer 187

Barium styphnate
Thermochemistry of barium styphnate 1
Base pair
Thermodynamic studies on interactions between DNA and dye 65
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77
Benzene
Excess molar enthalpies for 1-propanol + acetone and 1-propanol + acetone + benzene mixtures at 298.15 K 103
Binary system
Calculations of ternary vapour–liquid and liquid–liquid equilibria using a new local composition model 117
Excess enthalpies of 2-alkoxyethanols with trichloroethylene and tetrachloroethylene at 298.15 K 33
Excess molar enthalpies for 1-propanol + acetone and 1-propanol + acetone + benzene mixtures at 298.15 K 103
Excess molar volumes of nitrile + ketone mixtures at 298.15 K 27
Linear thermodynamic function relationships in coordination chemistry: calorimetric study on nickel(II)–, cobalt(II)–, zinc(II)–*N*-(*p*-substituted phenyl)iminodiacetic acid binary systems and nickel(II)–, cobalt(II)–, zinc(II)–nitrilotriacetic acid–*N*-(*p*-substituted phenyl)iminodiacetic acid ternary systems 51
The effusion catastrophe set 223

Cadmium compound
Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195
Calcium carbonate
Analysis of the direct sulfation of calcium carbonate 161
Calibration
Temperature calibration in thermogravimetry using energetic materials 141
Calorimeter
Excess enthalpies of 2-alkoxyethanols with trichloroethylene and tetrachloroethylene at 298.15 K 33
Calorimetry
Thermochemistry of barium styphnate 1
Thermochemistry of lead styphnate 13
Thermochemistry of silver styphnate 7

Thermodynamic properties of peptide solutions. Part 12. Enthalpies of dilution of aqueous solutions of some glycyl dipeptides at 298.15 K 41

Catalyst
A study of silica-supported platinum catalysts by temperature programmed reduction 265

Catastrophe
The effusion catastrophe set 223

CDS
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77

Cellosolve
Excess enthalpies of 2-alkoxyethanols with trichloroethylene and tetrachloroethylene at 298.15 K 33

Chemisorption
A study of silica-supported platinum catalysts by temperature programmed reduction 265

Chloride
Phase diagrams of the systems NaF–Na_3AlF_6–Na_3FSO_4 and NaCl–Na_3AlF_6–Na_3FSO_4. Experimental study and calculation 243

Chromium oxide
The thermal decomposition of potassium bromate in the presence of chromium(III) oxide 215

Cobalt compound
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207

Conductivity
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207

Conformation
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77

Co-ordination
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207

Copper compound
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207

Coupled technique
Temperature calibration in thermogravimetry using energetic materials 141
Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195

Cross link
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153

Cryolite
Phase diagrams of the systems NaF–Na_3AlF_6–Na_3FSO_4 and NaCl–Na_3AlF_6–Na_3FSO_4. Experimental study and calculation 243

Cytosine
Thermodynamic studies on interactions between DNA and dye 65

Decomposition
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253
Magnitudes of Arrhenius parameters for decomposition reactions of solids 259
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207
The thermal decomposition of potassium bromate in the presence of chromium(III) oxide 215
Thermal analysis of GAPTRIOL, an energetic azide polymer 187

Dehydration
Kinetic analysis of the dehydration processes in some iodate hydrates 233
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
The kinetics of thermal dehydration of $FeC_4H_4O_6 \cdot 2.5H_2O$ employing DSC traces 249
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153

Density
Excess molar volumes of nitrile + ketone mixtures at 298.15 K 27

Desorption
A study of silica-supported platinum catalysts by temperature programmed reduction 265

Deuterate
Kinetic analysis of the dehydration processes in some iodate hydrates 233
Diamine
Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195
Dichlorobenzoate
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
DNA
Thermodynamic studies on interactions between DNA and dye 65
DSC
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Temperature calibration in thermogravimetry using energetic materials 141
The kinetics of thermal dehydration of $FeC_4H_4O_6 \cdot 2.5H_2O$ employing DSC traces 249
Thermal analysis of GAPTRIOL, an energetic azide polymer 187
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153
DTA
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207
The thermal decomposition of potassium bromate in the presence of chromium(III) oxide 215
Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77
DTG
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
Dye
Thermodynamic studies on interactions between DNA and dye 65

ECat
The effusion catastrophe set 223
Effusion
The effusion catastrophe set 223
Effusion cell
The effusion catastrophe set 223
Enthalpy
Linear thermodynamic function relationships in coordination chemistry: calorimetric study on nickel(II)–, cobalt(II)–, zinc(II)–*N*-(*p*-substituted phenyl)iminodiacetic acid binary systems and nickel(II)–, cobalt(II)–, zinc(II)–nitrilotriacetic acid–*N*-(*p*-substituted phenyl)iminodiacetic acid ternary systems 51
Entropy
Linear thermodynamic function relationships in coordination chemistry: calorimetric study on nickel(II)–, cobalt(II)–, zinc(II)–*N*-(*p*-substituted phenyl)iminodiacetic acid binary systems and nickel(II)–, cobalt(II)–, zinc(II)–nitrilotriacetic acid–*N*-(*p*-substituted phenyl)iminodiacetic acid ternary systems 51
Excess molar enthalpy
Excess enthalpies of 2-alkoxyethanols with trichloroethylene and tetrachloroethylene at 298.15 K 33
Excess molar enthalpies for 1-propanol + acetone and 1-propanol + acetone + benzene mixtures at 298.15 K 103
Thermodynamic properties of peptide solutions. Part 12. Enthalpies of dilution of aqueous solutions of some glycyl dipeptides at 298.15 K 41
Excess molar volume
Excess molar volumes of nitrile + ketone mixtures at 298.15 K 27
Excited state
Discussion on the correctness of the rate expression for non-isothermal kinetics 239
Explosive
Temperature calibration in thermogravimetry using energetic materials 141

Ferrous tartrate
The kinetics of thermal dehydration of $FeC_4H_4O_6 \cdot 2.5H_2O$ employing DSC traces 249
Fluoride
Phase diagrams of the systems NaF–Na_3AlF_6–Na_3FSO_4 and NaCl–Na_3AlF_6–Na_3FSO_4. Experimental study and calculation 243

GAPTRIOL
Thermal analysis of GAPTRIOL, an energetic azide polymer 187

GC
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Guanine
Thermodynamic studies on interactions between DNA and dye 65

Halide
Phase diagrams of the systems NaF–Na_3AlF_6–Na_3FSO_4 and NaCl–Na_3AlF_6–Na_3FSO_4. Experimental study and calculation 243
Heat of dilution
Thermodynamic properties of peptide solutions. Part 12. Enthalpies of dilution of aqueous solutions of some glycyl dipeptides at 298.15 K 41
Heat of formation
Thermochemistry of barium styphnate 1
Thermochemistry of lead styphnate 13
Thermochemistry of silver styphnate 7
Heat of fusion
Determination of the enthalpy of fusion of $NaMgF_3$ and $KMgF_3$ 23
Heat of protonation
Linear thermodynamic function relationships in coordination chemistry: calorimetric study on nickel(II)–, cobalt(II)–, zinc(II)–*N*-(*p*-substituted phenyl)iminodiacetic acid binary systems and nickel(II)–, cobalt(II)–, zinc(II)–nitrilotriacetic acid–*N*-(*p*-substituted phenyl)iminodiacetic acid ternary systems 51
Hydrate
Kinetic analysis of the dehydration processes in some iodate hydrates 233
Hydrogen
A study of silica-supported platinum catalysts by temperature programmed reduction 265
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153

Intercalation
Thermodynamic studies on interactions between DNA and dye 65
Iodate
Kinetic analysis of the dehydration processes in some iodate hydrates 233
Iron tartrate
The kinetics of thermal dehydration of $FeC_4H_4O_6 \cdot 2.5H_2O$ employing DSC traces 249

IRS
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207
The thermal decomposition of potassium bromate in the presence of chromium(III) oxide 215
Isomer
Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195
Isoperibol
Thermochemistry of barium styphnate 1
Thermochemistry of lead styphnate 13
Thermochemistry of silver styphnate 7
Isothermal
Isothermal vapour–liquid equilibrium for 1-propanol + *tert*-butanol + acetonitrile + benzene 93
Isotropic
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77

Ketone
Excess molar volumes of nitrile + ketone mixtures at 298.15 K 27
Kinetics
Discussion on the correctness of the rate expression for non-isothermal kinetics 239
Kinetic analysis of the dehydration processes in some iodate hydrates 233
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
The kinetics of thermal dehydration of $FeC_4H_4O_6 \cdot 2.5H_2O$ employing DSC traces 249
Thermal analysis of GAPTRIOL, an energetic azide polymer 187

Lanthanon compound
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253
Lead styphnate
Thermochemistry of lead styphnate 13
Ligand
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253

Linear thermodynamic function relationships in coordination chemistry: calorimetric study on nickel(II)–, cobalt(II)–, zinc(II)–*N*-(*p*-substituted phenyl)iminodiacetic acid binary systems and nickel(II)–, cobalt(II)–, zinc(II)–nitrilotriacetic acid–*N*-(*p*-substituted phenyl)iminodiacetic acid ternary systems 51

Liquid crystal
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77

LLE
Calculations of ternary vapour–liquid and liquid–liquid equilibria using a new local composition model 117

Magnetometry
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207

Manganese acetate
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173

Mechanism
Kinetic analysis of the dehydration processes in some iodate hydrates 233
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173

Microcalorimetry
Thermodynamic properties of peptide solutions. Part 12. Enthalpies of dilution of aqueous solutions of some glycyl dipeptides at 298.15 K 41

Mixed salt
Determination of the enthalpy of fusion of $NaMgF_3$ and $KMgF_3$ 23

Model
Analysis of the direct sulfation of calcium carbonate 161
Calculations of ternary vapour–liquid and liquid–liquid equilibria using a new local composition model 117
Excess molar enthalpies for 1-propanol + acetone and 1-propanol + acetone + benzene mixtures at 298.15 K 103
Representation of binodal curves for aqueous polymer solutions using a new local composition model 111

Molybdenum compound
Temperature calibration in thermogravimetry using energetic materials 141

Nickel compound
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207

Nitrile
Excess molar volumes of nitrile + ketone mixtures at 298.15 K 27

Non-complementary interaction
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77

Non-isothermal
Discussion on the correctness of the rate expression for non-isothermal kinetics 239
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
The kinetics of thermal dehydration of $FeC_4H_4O_6 \cdot 2.5H_2O$ employing DSC traces 249

Ophthalmology
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153

PEG
Representation of binodal curves for aqueous polymer solutions using a new local composition model 111

Peptide
Thermodynamic properties of peptide solutions. Part 12. Enthalpies of dilution of aqueous solutions of some glycyl dipeptides at 298.15 K 41

Peroxide
Temperature calibration in thermogravimetry using energetic materials 141

Phase
Phase diagrams of the systems NaF–Na_3AlF_6–Na_3FSO_4 and NaCl–Na_3AlF_6–Na_3FSO_4. Experimental study and calculation 243

Phase separation
Representation of binodal curves for aqueous polymer solutions using a new local composition model 111

Phase transition
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153

Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195
Picrate
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253
Platinum
A study of silica-supported platinum catalysts by temperature programmed reduction 265
Polymer
Representation of binodal curves for aqueous polymer solutions using a new local composition model 111
Thermal analysis of GAPTRIOL, an energetic azide polymer 187
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153
Polynucleotide
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77
Potassium bromate
The thermal decomposition of potassium bromate in the presence of chromium(III) oxide 215
Potassium magnesium fluoride
Determination of the enthalpy of fusion of $NaMgF_3$ and $KMgF_3$ 23
PP
Representation of binodal curves for aqueous polymer solutions using a new local composition model 111
Propanol
Excess molar enthalpies for 1-propanol + acetone and 1-propanol + acetone + benzene mixtures at 298.15 K 103

Quaternary system
Isothermal vapour–liquid equilibrium for 1-propanol + *tert*-butanol + acetonitrile + benzene 93

Rate expression
Discussion on the correctness of the rate expression for non-isothermal kinetics 239
Reduction
A study of silica-supported platinum catalysts by temperature programmed reduction 265
Refractive index
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77
RETE
Linear thermodynamic function relationships in coordination chemistry: calorimetric study on nickel(II)–, cobalt(II)–, zinc(II)–*N*-(*p*-substituted phenyl)iminodiacetic acid binary systems and nickel(II)–, cobalt(II)–, zinc(II)–nitrilotriacetic acid–*N*-(*p*-substituted phenyl)iminodiacetic acid ternary systems 51

Self-association
Excess molar enthalpies for 1-propanol + acetone and 1-propanol + acetone + benzene mixtures at 298.15 K 103
SEM
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Silver styphnate
Thermochemistry of silver styphnate 7
SLE
Phase diagrams of the systems $NaF–Na_3AlF_6–Na_3FSO_4$ and $NaCl–Na_3AlF_6–Na_3FSO_4$. Experimental study and calculation 243
Sodium hyaluronate
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153
Sodium magnesium fluoride
Determination of the enthalpy of fusion of $NaMgF_3$ and $KMgF_3$ 23
Solid
Magnitudes of Arrhenius parameters for decomposition reactions of solids 259
Solution calorimetry
Excess enthalpies of 2-alkoxyethanols with trichloroethylene and tetrachloroethylene at 298.15 K 33
Solvent
Representation of binodal curves for aqueous polymer solutions using a new local composition model 111
Sulphation
Analysis of the direct sulfation of calcium carbonate 161

Ternary system
Calculations of ternary vapour–liquid and liquid–liquid equilibria using a new local composition model 117
Excess molar enthalpies for 1-propanol + acetone and 1-propanol + acetone + benzene mixtures at 298.15 K 103
Linear thermodynamic function relationships in coordination chemistry: calorimetric study

on nickel(II)–, cobalt(II)–, zinc(II)–*N*-(*p*-substituted phenyl)iminodiacetic acid binary systems and nickel(II)–, cobalt(II)–, zinc(II)–nitrilotriacetic acid–*N*-(*p*-substituted phenyl)iminodiacetic acid ternary systems 51
Phase diagrams of the systems NaF–Na_3AlF_6–Na_3FSO_4 and NaCl–Na_3AlF_6–Na_3FSO_4. Experimental study and calculation 243

TG
Kinetic analysis of the dehydration processes in some iodate hydrates 233
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253
Properties and thermal decomposition in air atmosphere of complexes of Co(II), Ni(II) and Cu(II) with 2,6-dichlorobenzoic acid 131
Structural, thermal and electrical studies of the chloro complexes of cobalt, nickel and copper with 4-butylaniline 207
Temperature calibration in thermogravimetry using energetic materials 141
The thermal decomposition of potassium bromate in the presence of chromium(III) oxide 215
Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195

TGA
Analysis of the direct sulfation of calcium carbonate 161
Thermal analysis of GAPTRIOL, an energetic azide polymer 187

Thermodynamics
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Thermodynamic studies on interactions between DNA and dye 65

TMSO
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253

TPR
A study of silica-supported platinum catalysts by temperature programmed reduction 265

Transition
The effusion catastrophe set 223

Trichloroethylene
Excess enthalpies of 2-alkoxyethanols with trichloroethylene and tetrachloroethylene at 298.15 K 33

Tunnelling
Linear thermodynamic function relationships in coordination chemistry: calorimetric study on nickel(II)–, cobalt(II)–, zinc(II)–*N*-(*p*-substituted phenyl)iminodiacetic acid binary systems and nickel(II)–, cobalt(II)–, zinc(II)–nitrilotriacetic acid–*N*-(*p*-substituted phenyl)iminodiacetic acid ternary systems 51

UNIQUAC
Isothermal vapour–liquid equilibrium for 1-propanol + *tert*-butanol + acetonitrile + benzene 93

UVS
Thermodynamic studies on interactions between DNA and dye 65
Thermodynamic studies on selective recognition of bases in complex formation between base pairs. Formation of complexes by non-complementary interactions 77

Vapor recirculating still
Isothermal vapour–liquid equilibrium for 1-propanol + *tert*-butanol + acetonitrile + benzene 93

Viscoelastic
Thermal behaviour of aqueous solutions of sodium hyaluronate from different commercial sources 153

VLE
Calculations of ternary vapour–liquid and liquid–liquid equilibria using a new local composition model 117
Isothermal vapour–liquid equilibrium for 1-propanol + *tert*-butanol + acetonitrile + benzene 93

XRD
Kinetic and mechanistic study of the non-isothermal decomposition of manganese(II) acetate tetrahydrate 173
Lanthanon picrate complexes with tetramethylenesulfoxide (TMSO) 253
The thermal decomposition of potassium bromate in the presence of chromium(III) oxide 215
Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195

Zinc compound
Thermal studies of N^1-isopropyl-2-methyl-1,2-propanediamine complexes of zinc(II) and cadmium(II) in the solid phase 195

Zwitterion
Thermodynamic properties of peptide solutions. Part 12. Enthalpies of dilution of aqueous solutions of some glycyl dipeptides at 298.15 K 41